

ECE-345-001 (Fall 2020)

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Review Test Submission: Quiz 3.5

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Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 3.5
Started	9/8/20 3:04 PM
Submitted	9/8/20 3:13 PM
Status	Completed
Attempt Score	4 out of 4 points
Time Elapsed	8 minutes
Results Displayed	Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points

 True or false? The only way to create a state-space model from a transfer function is via phase variable form.

Selected Answer: False

Question 2


1 out of 1 points

 Which of the following is most correct?

Selected Answer: A transfer function corresponds to an infinite number of state-space models.

Question 3


1 out of 1 points

 Which of the following accurately describes the order of the state-space model for a transfer function with an  $m^{\text{th}}$  order numerator and an  $n^{\text{th}}$  order denominator?

Selected Answer: The state vector has  $n$  elements.

Question 4

1 out of 1 points

 In phase variable form, the coefficients of the transfer function in appear in

Selected Answer: The  $A$  and  $C$  matrices.